

Title (en)
ELECTRON BEAM STERILISATION EQUIPMENT

Title (de)
ELEKTRONENSTRAHLSTERILISATIONSAUSRÜSTUNG

Title (fr)
ÉQUIPEMENT DE STÉRILISATION PAR FAISCEAU ÉLECTRONIQUE

Publication
EP 3208810 A1 20170823 (EN)

Application
EP 15851581 A 20151005

Priority
• JP 2014209571 A 20141014
• JP 2015078149 W 20151005

Abstract (en)
One object is to provide an electron beam sterilization apparatus for sterilizing a preform product (P) by applying an electron beam while conveying the preform product (P), the apparatus comprising: an input star wheel (21) configured to convey the preform product (P) in a circular path; and an outer-surface electron beam application device and an inner-surface electron beam application device configured to apply an electron beam to the preform product (P) being conveyed by the input star wheel (21). A blocking short tube (31) is provided on a lower surface of the star wheel plate (22) of the input star wheel (21) so as to block radioactive rays produced by application of the electron beam and surround a central axis (lv) of the input star wheel (21). The blocking short tube (31) includes a ventilation space (34) formed therein.

IPC 8 full level
G21K 5/00 (2006.01); **A61L 2/08** (2006.01); **B65B 55/04** (2006.01); **B65B 55/08** (2006.01); **B67C 7/00** (2006.01); **G21K 5/04** (2006.01); **G21K 5/10** (2006.01)

CPC (source: EP US)
A61L 2/08 (2013.01 - EP US); **A61L 2/087** (2013.01 - US); **B29B 13/08** (2013.01 - US); **B65B 55/04** (2013.01 - EP US); **B65B 55/08** (2013.01 - EP US); **B65G 47/846** (2013.01 - US); **B67C 7/00** (2013.01 - EP US); **G21K 5/00** (2013.01 - EP US); **G21K 5/02** (2013.01 - US); **G21K 5/08** (2013.01 - EP US); **A61L 2202/23** (2013.01 - US)

Designated contracting state (EPC)
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